

Safety Data Sheet

According to Regulation (EC) 1907/2006



2103 Sulphuric Acid 0,025 mol/l \*(0,05N)

## Identification of the substance/preparation and of the company or firm

### 1.1 Identification of the substance or preparation

Name:

Sulphuric Acid 0,025 mol/l \*(0,05N)

**Synonym:**

**REACH Registration Number:** A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) N° 1907/2006, the annual tonnage does not require a registration, the registration is envisaged for a later registration deadline or it is a mixture.

### 1.2 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

### 1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

Polígono Pla de la Bruguera

E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: [product.safety@panreac.com](mailto:product.safety@panreac.com)

### 1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

# Identification of dangers

Classification of the substance or the mixture.

**No hazardous mixture as specified in Regulation (CE) 1272/2008.**

**No hazardous mixture as specified in Classification (67/548/CEE or 1999/45/CE).**

# Component Composition/Information

Aqueous solution

Name: Sulphuric Acid 0,025 mol/l \*(0,05N)

Formula: H<sub>2</sub>SO<sub>4</sub> M.= 98,08 CAS [7664-93-9]

EC number (EINECS): 231-639-5

## Composition:

**0001: Sulphuric Acid 93-98%**

Formula: H<sub>2</sub>SO<sub>4</sub> M.= 98,08 CAS [7664-93-9]

EC number (EINECS): 231-639-5

EC index number: 016-020-00-8

REACH Registration Number: 01-2119458838-20-XXXX

**Content:** <= 5 %

## Classification Regulation (CE) n° 1272/2008.

Skin Corr. 1A

## Hazard Pictograms



## Signal word

Danger

## Hazard statements

H314 Causes severe skin burns and eye damage.

## Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash...thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see on this label).

P338 Remove contact lenses, if present and easy to do. Continue rinsing.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

## Classification (67/548/CEE or 1999/45/CE).

**C** Corrosive **R35** Causes severe burns.

## First aid

### 4.1 General indications:

Never provide drink or induce vomiting in the event of loss of consciousness.

### 4.2 Inhaling:

Go out into the fresh air.

### 4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

### 4.4 Eyes:

Wash with plenty of water, keeping eyelids open. In the event of irritation, seek medical assistance.

### 4.5 Swallowing:

Drink large amounts of water. Induce vomiting. Seek medical assistance.

## Fire-fighting means

### 5.1 Suitable fire-extinguishing means:

As appropriate to the environment.

### 5.2 Fire-fighting means which must NOT be used:

No specific data.

**5.3 Special risks:**

Incombustible.

**5.4 Protective equipment:**

Suitable clothing and footwear.

## Measures to be taken in the event of accidental spillage

**6.1 Individual precautions:**

No special indications.

**6.2 Precautions for care of the environment:**

Avoid pollution of the soil, water supplies and drains.

**6.3 Methods for collection/cleaning:**

Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water. Neutralize with diluted sodium hydroxide.

## Handling and storage

**7.1 Handling:**

No special indications.

**7.2 Storage:**

Well sealed containers. In well ventilated premises. Room temperature. Do not store in metal containers.

## Staff exposure/protection controls

**8.1 Technical protective measures:**

No special indications.

**8.2 Exposure limit control:**

VLA-EC(H<sub>2</sub>SO<sub>4</sub>): 3 mg/m<sup>3</sup>

VLA-ED(H<sub>2</sub>SO<sub>4</sub>): 1 mg/m<sup>3</sup>

**8.3 Respiratory protection:**

In the event of fumes forming/aerosols, use suitable respiratory protection. Filter P.

**8.4 Hand protection:**

Use suitable gloves neopren PVC

**8.5 Eye protection:**

Use suitable goggles.

**8.6 Individual hygiene measures:**

Remove contaminated clothing. Use suitable work clothing. Wash hands and face before breaks and when the job is done.

**8.7 Environmental exposure controls:**

Fulfill the commitments under local environmental protection legislation.

## Physical and chemical properties

Appearance: liquid

Colour: Colourless

Granulometry: N/A

Odour: Odourless.

pH:

N/A

Melting point/freezing point: N/A

Initial boiling point and boiling range:

N/A

Flash point:

N/A

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: N/A

Vapour density: N/A

Relative density: (20/4) 1

Solubility: Miscible with water

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

Viscosity: N/A

## Stability and reactivity

**10.1 Conditions which should be avoided:**

The product is chemically stable under standar ambient conditions (room temperature).

**10.2 Matter which should be avoided:**

Metals.

**10.3 Hazardous decomposition products:**

Toxic gases.

**10.4 Complementary information:**

Corrosive.

## Toxicological information

- **Acute toxicity:**

: Data not available.

- **Dangerous effects for health:**

Following prolonged contact with the product. Upon contact with the skin: dermatitis Irritations to the skin and mucosae. Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

## Environmental information

**12.1 Toxicity:**

12.1.1 - EC50 test (mg/l):

12.1.2. - Receptor medium:

Risk for the water environment

Risk for the land environment

12.1.3. - Observations:

Ecotoxic in water environment.

The ecotoxicity is due to the pH deviation.

**12.2 Persistence and Degradability :**

12.2.1 - Test:

12.2.2. - Biotic degradation classification:

BOD5/COD

Biodegradability

12.2.3. - Abiotic degradation depending on pH:

12.2.4. - Observations:

**12.3 Bioaccumulative potential:**

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk

12.3.3. - Observations:

**12.4 Mobility in soil :**

Data not available.

**12.5 Assessment PBT and MPMB :**

Data not available.

**12.6 Other possible effects on the environment:**

If suitable handling conditions are maintained, no ecological problems are to be anticipated.

## Considerations regarding elimination

**13.1 Substance or preparation:**

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

**13.2 Contaminated containers:**

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

## Information concerning transport

Overland (ADR):

Technical name: SULPHURIC ACID with not more than 51% acid

UN 2796 Class: 8 Packaging group: II (E)

By sea (IMDG):

Technical name: SULPHURIC ACID with not more than 51% acid

UN 2796 Class: 8 Packaging group: II

By air (ICAI-IATA):

Technical name: Sulphuric acid

UN 2796 Class: 8 Packaging group: II

Packaging instructions: CAO 855 PAX 851

## Regulatory information

The substance is subject to Regulation (EC) No 273/2004 of the European Parliament and of the Council, of 11 February 2004 on drug precursors, Council Regulation (EC) No 111/2005 of 22 December 2004 laying down rules for the monitoring of trade between the Community and third countries in drug precursors, Commission Regulation (EC) No 1277/2005 of 27 July 2005 laying down implementing rules for Regulation (EC) No 273/2004 of the European Parliament and of the Council on drug precursors and for Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors.

## Other information

Review number and date: 4 15.09.2011

Date published: 15.09.2011

In respect of the previous review, changes have been made to the following sections: 15

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.